

10/566,585

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NEWS 4 OCT 07 Multiple databases enhanced for more flexible patent
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enhanced
NEWS 6 OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
Applications
NEWS 7 OCT 24 CHEMLIST enhanced with intermediate list of
pre-registered REACH substances
NEWS 8 NOV 21 CAS patent coverage to include exemplified prophetic
substances identified in English-, French-, German-,
and Japanese-language basic patents from 2004-present
NEWS 9 NOV 26 MARPAT enhanced with FSORT command
NEWS 10 NOV 26 MEDLINE year-end processing temporarily halts
availability of new fully-indexed citations
NEWS 11 NOV 26 CHEMSAFE now available on STN Easy
NEWS 12 NOV 26 Two new SET commands increase convenience of STN
searching
NEWS 13 DEC 01 ChemPort single article sales feature unavailable
NEWS 14 DEC 12 GBFULL now offers single source for full-text
coverage of complete UK patent families

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AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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FILE 'HOME' ENTERED AT 21:44:09 ON 15 DEC 2008

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 14 DEC 2008 HIGHEST RN 1084385-33-0
DICTIONARY FILE UPDATES: 14 DEC 2008 HIGHEST RN 1084385-33-0

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=>

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L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 21:45:17 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 269 TO ITERATE

100.0% PROCESSED 269 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 4396 TO 6364
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 21:45:21 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 5392 TO ITERATE

100.0% PROCESSED 5392 ITERATIONS 10 ANSWERS
SEARCH TIME: 00.00.01

L3 10 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	178.36	178.57

FILE 'CAPLUS' ENTERED AT 21:45:24 ON 15 DEC 2008
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FILE COVERS 1907 - 15 Dec 2008 VOL 149 ISS 25
FILE LAST UPDATED: 14 Dec 2008 (20081214/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s 13

L4 5 L3

=> d bib abs hitstr 1-5 14

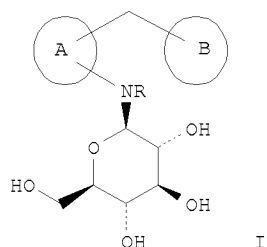
L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2006:912445 CAPLUS
DN 145:285165
TI Pharmaceutical compositions containing N-glucoside compounds
IN Nomura, Sumihiro; Sakamoto, Toshiaki; Ueda, Kiichiro
PA Tanabe Seiyaku Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 30pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2006232825	A	20060907	JP 2006-19935	20060130
PRAI	JP 2005-23727	A	20050131		
OS	MARPAT 145:285165				
GI					



AB The invention relates to a pharmaceutical composition characterized by containing a compound I (ring A and B are (un)substituted monocycle unsatd. hetero rings, etc.; R = H, lower alkyl, lower alkonoyl, lower alkoxy carbonyl) or its salt or prodrug as an active component, suitable for use for treatment and/or prevention of diabetes or obesity. For example, 2-(4-ethylbenzyl)-N-(β -D-glucopyranosyl)aniline was prepared, and examined for its inhibitory effect on SGLT 2 (sodium-dependent glucose transporter 2) in vitro.

IT 841236-78-0P 841236-79-1P 841236-80-4P
841236-81-5P 841236-82-6P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(pharmaceutical compns. containing N-glucoside compds. for treatment of diabetes, obesity, and related diseases)

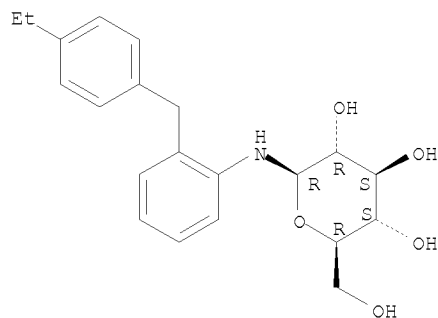
RN 841236-78-0 CAPLUS

CN β -D-Glucopyranosylamine, N-[2-[(4-ethylphenyl)methyl]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

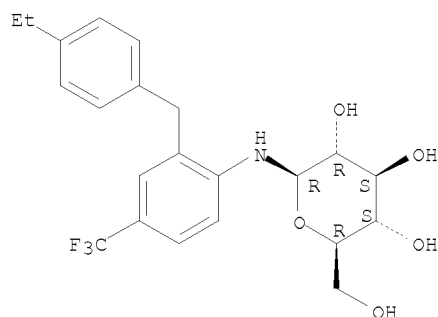
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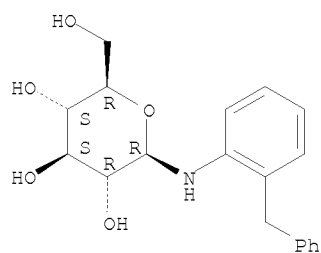
RN 841236-79-1 CAPLUS
CN β-D-Glucopyranosylamine, N-[2-[(4-ethylphenyl)methyl]-4-(trifluoromethyl)phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 841236-80-4 CAPLUS
CN β-D-Glucopyranosylamine, N-[2-(phenylmethyl)phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

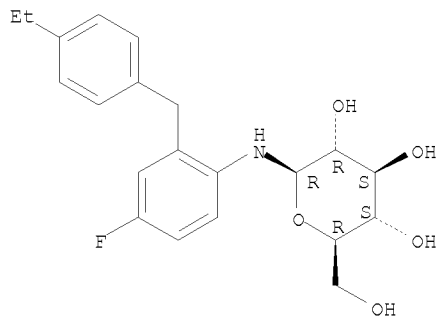


RN 841236-81-5 CAPLUS
CN β-D-Glucopyranosylamine, N-[2-[(4-ethylphenyl)methyl]-4-fluorophenyl]- (CA INDEX NAME)

Absolute stereochemistry.

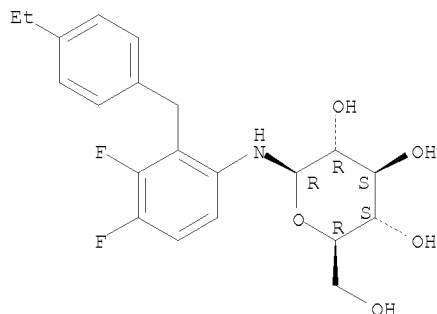
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RN 841236-82-6 CAPLUS
CN β-D-Glucopyranosylamine, N-[2-[(4-ethylphenyl)methyl]-3,4-difluorophenyl]- (CA INDEX NAME)

Absolute stereochemistry.

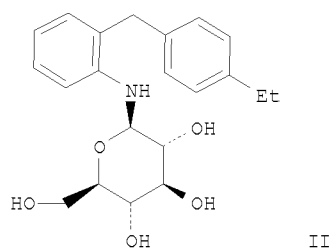
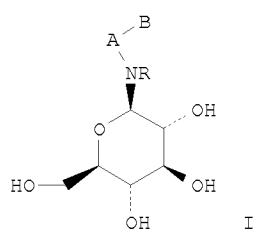


L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2005:120945 CAPLUS
DN 142:219494
TI Preparation of aryl-aminodeoxy monosaccharides as antidiabetic agents
IN Nomura, Sumihiro; Sakamoto, Toshiaki; Ueta, Kiichiro
PA Tanabe Seiyaku Co., Ltd., Japan
SO PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 8

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005012321	A1	20050210	WO 2004-JP11311	20040730
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004260760	A1	20050210	AU 2004-260760	20040730
CA 2534022	A1	20050210	CA 2004-2534022	20040730
EP 1654269	A1	20060510	EP 2004-771313	20040730
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK			
CN 1829728	A	20060906	CN 2004-80022006	20040730
BR 2004013233	A	20061003	BR 2004-13233	20040730
JP 2007518682	T	20070712	JP 2006-519250	20040730
NO 2006000219	A	20060428	NO 2006-219	20060116

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MX 2006PA01273	A	20060411	MX 2006-PA1273	20060131
KR 2006132539	A	20061221	KR 2006-702158	20060131
IN 2006CN00725	A	20070629	IN 2006-CN725	20060228
US 20060217323	A1	20060928	US 2006-446014	20060602
US 20060229260	A1	20061012	US 2006-453728	20060615
US 20060234954	A1	20061019	US 2006-453727	20060615
US 20060293251	A1	20061228	US 2006-453726	20060615
US 20070060545	A1	20070315	US 2006-566585	20060728
AU 2008200240	A1	20080207	AU 2008-200240	20080117
PRAI US 2003-491523P	P	20030801		
US 2003-491534P	P	20030801		
US 2003-519155P	P	20031112		
US 2003-519209P	P	20031112		
US 2003-519210P	P	20031112		
US 2003-519381P	P	20031112		
US 2004-579722P	P	20040615		
US 2004-579730P	P	20040615		
US 2004-579758P	P	20040615		
US 2004-579792P	P	20040615		
AU 2004-260761	A3	20040730		
US 2004-903034	A3	20040730		
US 2004-903136	A3	20040730		
US 2004-903233	A3	20040730		
US 2004-903234	A3	20040730		
WO 2004-JP11311	W	20040730		
OS CASREACT 142:219494; MARPAT 142:219494				
GI				



AB Aryl-aminodeoxy monosaccharides I, wherein A and B are (1) A is an optionally substituted unsatd. monocyclic heterocyclic, and B is an optionally substituted unsatd. monocyclic heterocyclic, an optionally substituted unsatd. fused hetero-bicyclic, or an optionally substituted benzene, (2) A is an optionally substituted benzene, and B is an optionally substituted unsatd. monocyclic heterocyclic, an optionally substituted unsatd. fused hetero-bicyclic, or an optionally substituted benzene, or (3) A is an optionally substituted unsatd. fused hetero-bicyclic, wherein -NR- group and -CH₂- group are both on the same of the unsatd. fused hetero-bicyclic, and B is an optionally substituted monocyclic unsatd. heterocyclic, an optionally substituted unsatd. fused hetero-bicyclic, or an optionally substituted benzene; and R is a hydrogen atom, a lower alkyl group, a lower alkanoyl group or a lower alkoxy carbonyl group, or a pharmaceutically acceptable salt thereof, or a prodrug thereof. A method is claimed for treatment of type 1 and 2 diabetes mellitus, which comprises administering to a mammalian species in need of treatment a therapeutically effective amount of the compound, or in combination with another antidiabetic agent, an agent for treating diabetic complications, an anti-obesity agent, an antihypertensive agent, an antiplatelet agent, an anti-atherosclerotic agent and/or a hypolipidemic agent. Thus, title II was prepared and tested as an antidiabetic agent. The dosage of the present compd.s or a pharmaceutically acceptable salt thereof may vary according to the administration routes, ages, body weight, conditions of a patient, or kinds and severity of a disease to be treated, and it is usually in the range of about 0.1 to 50 mg/kg/day, preferably in the range of about 0.1 to 30 mg/kg/day.

IT 841236-78-0P 841236-79-1P 841236-80-4P

10/566,585

841236-81-5P 841236-82-6P

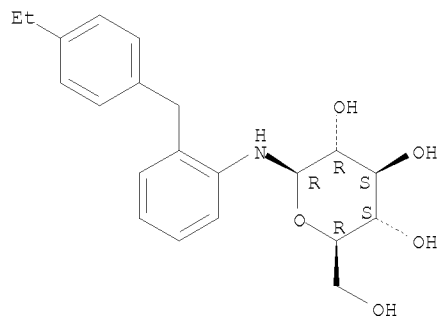
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation of aryl-aminodeoxy monosaccharides as antidiabetic agents)

RN 841236-78-0 CAPLUS

CN β -D-Glucopyranosylamine, N-[2-[(4-ethylphenyl)methyl]phenyl]- (CA
INDEX NAME)

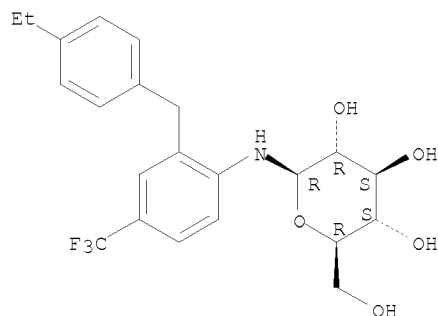
Absolute stereochemistry.



RN 841236-79-1 CAPLUS

CN β -D-Glucopyranosylamine, N-[2-[(4-ethylphenyl)methyl]-4-
(trifluoromethyl)phenyl]- (CA INDEX NAME)

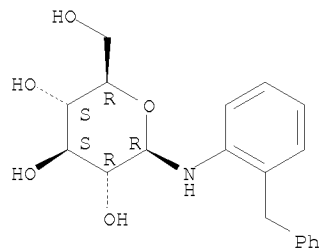
Absolute stereochemistry.



RN 841236-80-4 CAPLUS

CN β -D-Glucopyranosylamine, N-[2-(phenylmethyl)phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



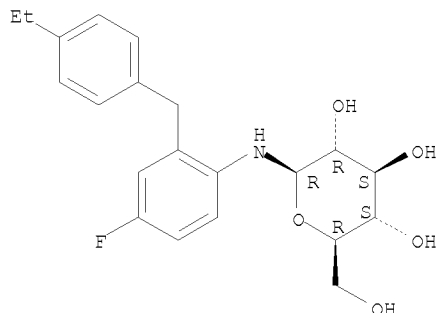
RN 841236-81-5 CAPLUS

CN β -D-Glucopyranosylamine, N-[2-[(4-ethylphenyl)methyl]-4-fluorophenyl]-
(CA INDEX NAME)

Absolute stereochemistry.

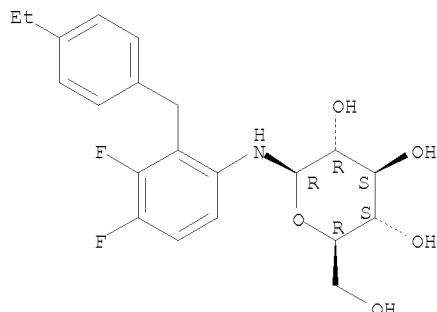
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RN 841236-82-6 CAPLUS
CN β-D-Glucopyranosylamine, N-[2-[(4-ethylphenyl)methyl]-3,4-difluorophenyl]- (CA INDEX NAME)

Absolute stereochemistry.



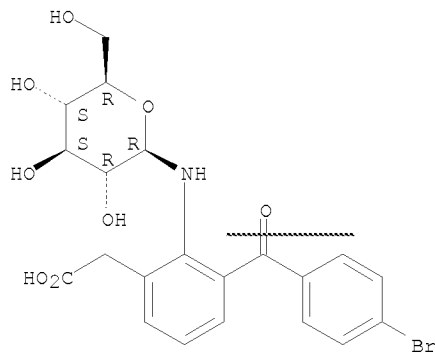
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1998:489174 CAPLUS
DN 129:197547
OREF 129:39947a,39950a
TI Isolation and identification of bromfenac glucoside from rat bile
AU Kirkman, Sandra K.; Zhang, Mei-Yi; Horwatt, Peter M.; Scatina, JoAnn
CS Drug Safety and Metabolism Div., Wyeth-Ayerst Res., USA
SO Drug Metabolism and Disposition (1998), 26(7), 720-723
CODEN: DMDSAI; ISSN: 0090-9556
PB Williams & Wilkins
DT Journal
LA English
AB Bromfenac (Duract), a drug approved for pain, was expected to be metabolized by the rat to an acyl glucuronide, a metabolite formed with most compds. of similar structure. During the investigation of metabolite profiles in rat bile following administration of 1 mg/kg i.v. doses of 14C-bromfenac, an acid-labile metabolite was found that degraded to form 14C-bromfenac. Isolation and characterization of this metabolite indicated that it is an unusual conjugate, bromfenac N-glucoside.
IT 212266-82-5P
RL: ANT (Analyte); BSU (Biological study, unclassified); MFM (Metabolic formation); PUR (Purification or recovery); ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation) (isolation and identification of bromfenac glucoside from rat bile)
RN 212266-82-5 CAPLUS
CN Benzeneacetic acid, 3-(4-bromobenzoyl)-2-(β-D-glucopyranosylamino)- (CA INDEX NAME)

Absolute stereochemistry.

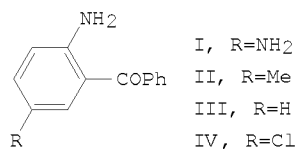
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RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1979:48166 CAPLUS
DN 90:48166
OREF 90:7589a,7592a
TI Synthesis of aminoglucuronides in rats. Relation of the process to the
physicochemical properties of the substrate
AU Golovenko, N. Ya.
CS I. I. Mechnikov State Univ., Odessa, USSR
SO Voprosy Meditsinskoi Khimii (1978), 24(5), 676-8
CODEN: VMDKAM; ISSN: 0042-8809
DT Journal
LA Russian
GI

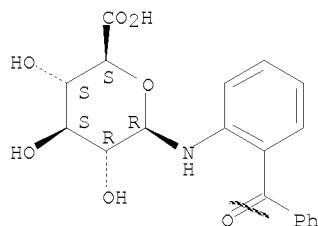


AB Administration of 5-substituted (amino, Me, unsubstituted, and chloro
derivs.) 2-aminobenzophenones (I [18330-94-4], II [17852-28-7], III
[2835-77-0], and IV [719-59-5], resp.), which are metabolites of
benzodiazepine tranquilizers, to rats resulted in their conjugation with
glucuronic acid with the formation of N-glucuronides. The rates of
urinary excretion of the nonconjugated compds. were in the order: II > III
> I > IV, whereas the rates of excretion of the glucuronides were: II > I
> III > IV. The derivs. differed with respect to the values of their
Hammett consts., lipophilicity, and basicity. A correlation was found
between the physicochem. properties of the derivs. and the amts. of
glucuronides excreted in the urine.
IT 69038-25-1
RL: FORM (Formation, nonpreparative)
(formation of, from aminobenzophenone, urinary excretion in relation
to)
RN 69038-25-1 CAPLUS
CN β -D-Glucopyranuronic acid, 1-[(2-benzoylphenyl)amino]-1-deoxy- (CA
INDEX NAME)

Absolute stereochemistry.

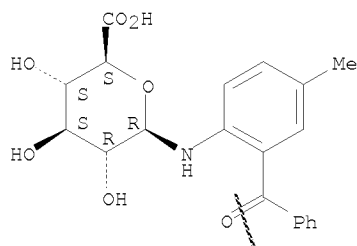
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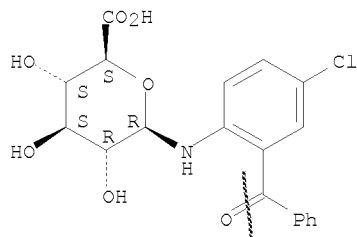
IT 69038-26-2 69038-27-3
RL: FORM (Formation, nonpreparative)
(formation of, from diaminobenzophenone, urinary excretion in relation to)
RN 69038-26-2 CAPLUS
CN β -D-Glucopyranuronic acid, 1-[(2-benzoyl-4-methylphenyl)amino]-1-deoxy- (CA INDEX NAME)

Absolute stereochemistry.



RN 69038-27-3 CAPLUS
CN β -D-Glucopyranuronic acid, 1-[(2-benzoyl-4-chlorophenyl)amino]-1-deoxy- (CA INDEX NAME)

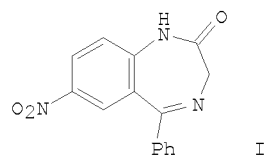
Absolute stereochemistry.



L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1978:98910 CAPLUS
DN 88:98910
OREF 88:15405a,15408a
TI Biliary excretion of nitrazepam and its metabolites in rats
AU Golovenko, N. Ya.; Karaseva, T. L.
CS Odess. Gos. Univ., Odessa, USSR
SO Farmakologiya i Toksikologiya (Moscow) (1978), 41(1), 17-19
CODEN: FATOAO; ISSN: 0014-8318
DT Journal
LA Russian
GI

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AB Nitrazepam (I) [146-22-5] (10 mg/kg) injected i.v. into rats was excreted in the bile as free and conjugated metabolites. Metabolites included the free amine [4928-02-3] and acetamide [4928-03-4] and N- and O-glucuronides.

IT 65846-31-3
RL: BIOL (Biological study)
(as nitrazepam metabolite)

RN 65846-31-3 CAPLUS

CN β -D-Glucopyranuronic acid, 1-[(2-benzoyl-4-nitrophenyl)amino]-1-deoxy-
(CA INDEX NAME)

Absolute stereochemistry.

